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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 4299 (1982): Jig Feet [PGD 2: Machine Tool Elements and Holding Devices]

“ज्ञान से एक नये भारत का निर्माण”

Satyanaaranay Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartṛhari—Nītiśatakam

“Knowledge is such a treasure which cannot be stolen”



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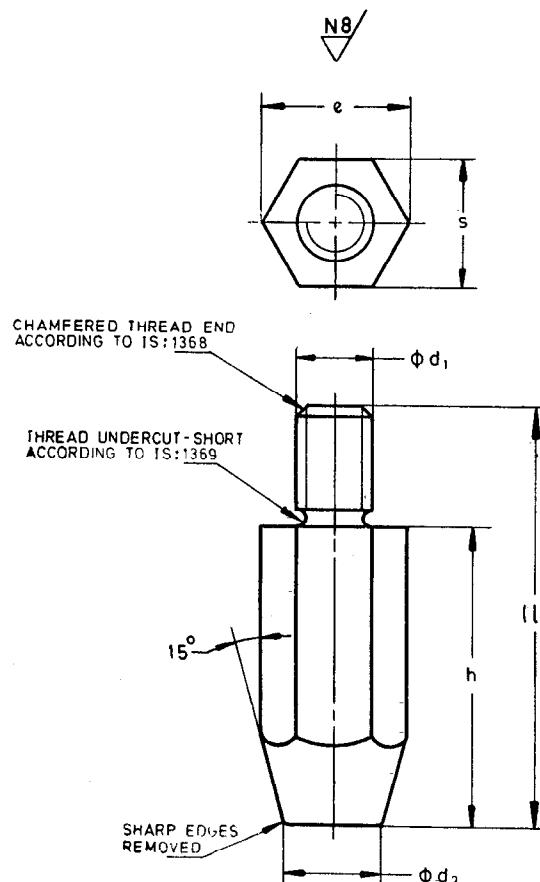
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Indian Standard

SPECIFICATION FOR
JIG FEET

(First Revision)

1. Scope — Covers dimensions and material requirements for jig feet.**2. Dimensions**

All dimensions in millimetres.

h	d_1 6_g	l	d_2	e	s
10	M6	21	8		
20		31	6	11.5	10
15	M8	28	10		
30		43	9	15.0	13
20	M10	36			
40		56	13	18.6	17
25	M12	45			
50		70	15	21.9	19

Note — Dimensional deviations for untoleranced dimensions : Medium class according to IS : 2102(Part I)-1980
 'General tolerances for dimensions and form and position: Part I General tolerances for linear and angular dimensions (second revision)'.

3. Material — Steel having a tensile strength of 370 MPa, Min.

3.1 The contact face d_2 , if agreed to between the manufacturers and the users, shall be hardened to 550 HV, Min.

4. Designation — A jig foot having $h = 15$ mm and $d_1 = M8$ shall be designated as:

Jig Foot 15 × M8 IS : 4299

5. Finish — The jig feet shall be free from cracks, burrs, pits and other defects.

6. Preservation and Packing

6.1 A suitable anti-corrosive surface treatment shall be given to jig feet.

6.2 The jig feet shall be packed in suitable cartons so as to prevent damage during transit.

7. Marking — The carton containing jig feet shall be marked with designation and the manufacturer's name or trade-mark.

7.1 ISI Certification Marking — Details available with the Indian Standards Institution.

EXPLANATORY NOTE

This standard was first published in 1967 and was based on DIN 6320 : 1935. The present revision has been taken up in order to incorporate the latest manufacturing practices. In this revision, the following changes have been incorporated:

- a) Across flat dimension 's' is altered to suit standard hexagonal bar stock.
- b) An undercut is provided after the thread for proper fit. This would avoid special countersunk on corresponding threaded hole.
- c) A 15° taper has been provided for the point on the foot to facilitate easy manufacture.

While preparing this standard, assistance has been derived from DIN 6320-1971 'Feet with threaded shank for jigs and fixtures', issued by Deutsches Institut fur Normung (DIN).